



Atty. Dkt. No. 024536-0130

IFW

THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Isamu IIZUKA et al.

**Title: APPARATUS AND METHOD FOR ESTIMATING RESIDUAL GAS AMOUNT OF INTERNAL COMBUSTION ENGINE, AND APPARATUS AND METHOD FOR CONTROLLING INTAKE AIR AMOUNT OF INTERNAL COMBUSTION ENGINE USING ESTIMATED RESIDUAL GAS AMOUNT**

Appl. No.: 10/617,723

Filing Date: 07/14/2003

Examiner: Johnny H. Hoang

Art Unit: 3747

## AMENDMENT TRANSMITTAL

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Transmitted herewith is an amendment in the above-identified application.

[ ] Small Entity status under 37 C.F.R. § 1.9 and § 1.27 has been established by a previous assertion of Small Entity status.

Assertion of Small Entity status is enclosed.

[ X ] The fee required for additional claims is calculated below:

	Claims As Amended	Previously Paid For	=	Extra Claims Present	x	Rate	=	Additional Claims Fee	
Total Claims:	48	-	48	=	0	x	\$50.00	=	\$0.00
Independent Claims:	6	-	6	=	0	x	\$200.00	=	\$0.00
First presentation of any Multiple Dependent Claims:				+		\$360.00	=	\$0.00	
						CLAIMS FEE TOTAL	=	\$0.00	

[ ] Applicant hereby petitions for an extension of time under 37 C.F.R. §1.136(a) for the total number of months checked below:

<input type="checkbox"/>	Extension for response filed within the first month:	\$120.00	\$0.00
<input type="checkbox"/>	Extension for response filed within the second month:	\$450.00	\$0.00
<input type="checkbox"/>	Extension for response filed within the third month:	\$1,020.00	\$0.00
<input type="checkbox"/>	Extension for response filed within the fourth month:	\$1,590.00	\$0.00
<input type="checkbox"/>	Extension for response filed within the fifth month:	\$2,160.00	\$0.00
	EXTENSION FEE TOTAL:		\$0.00
<input type="checkbox"/>	Statutory Disclaimer Fee under 37 C.F.R. 1.20(d):	\$130.00	\$0.00
	CLAIMS, EXTENSION AND DISCLAIMER FEE TOTAL:		\$0.00
<input type="checkbox"/>	Small Entity Fees Apply (subtract 1/2 of above):		\$0.00
	TOTAL FEE:		\$0.00

Please charge Deposit Account No. 19-0741 in the amount of \$0.00. A duplicate copy of this transmittal is enclosed.

A check in the amount of \$0.00 is enclosed.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 C.F.R. §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741. If any extensions of time are needed for timely acceptance of papers submitted herewith, applicant hereby petitions for such extension under 37 C.F.R. §1.136 and authorizes payment of any such extensions fees to Deposit Account No. 19-0741.

Please direct all correspondence to the undersigned attorney or agent at the address indicated below.

Respectfully submitted,

Date June 9, 2005

By Thomas G. Bilodeau

FOLEY & LARDNER LLP  
Customer Number: 22428  
Telephone: (202) 945-6162  
Facsimile: (202) 672-5399

Pavan K. Agarwal  
Registration No. 40,888  
Thomas G. Bilodeau  
Registration No. 43,438

Attorneys for Applicant



Atty. Dkt. No. 024536-0130

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Isamu IIZUKA et al.

Title: APPARATUS AND METHOD FOR ESTIMATING RESIDUAL GAS AMOUNT OF INTERNAL COMBUSTION ENGINE, AND APPARATUS AND METHOD FOR CONTROLLING INTAKE AIR AMOUNT OF INTERNAL COMBUSTION ENGINE USING ESTIMATED RESIDUAL GAS AMOUNT

Appl. No.: 10/617,723

Filing Date: 07/14/2003

Examiner: Johnny H. Hoang

Art Unit: 3747

**AMENDMENT AND REPLY UNDER 37 CFR 1.111**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

This communication is responsive to the Non-Final Office Action dated March 11, 2005, concerning the above-referenced patent application.

**Amendments to the Specification** begin on page 2 of this document.

**Amendments to the Claims** are reflected in the listing of claims which begins on page 8 of this document.

**Remarks/Arguments** begin on page 21 of this document.

Please amend the application as follows: